

BI-WEEKLY PROGRESS REPORT NO. 19

**OLD ROOSEVELT FIELD CONTAMINATED GROUNDWATER AREA SITE
REMEDIAL ACTION - PHASE 2, GROUND WATER TREATMENT SYSTEM CONSTRUCTION
GARDEN CITY, NASSAU COUNTY, NEW YORK**

Prepared for:
U.S. Environmental Protection Agency
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EPA Work Assignment No.	: 023-RARA-02PE
EPA Region	: 2
Contract No.	: EP-W-09-002
CDM Federal Programs Corporation	
Document No.	: 3320-023-01280
Prepared by	: CDM
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Date Prepared	: February 29, 2012

Bi-Weekly Progress Report No. 19

Phase 2 – Ground Water Treatment System Construction

1.0 Introduction

Pursuant of the Work Assignment Form (WAF) Statement of Work (SOW), for Region 2 Contract EP-W-09-002 Work Assignment 023-RARA-02PE, CDM Federal Programs Corporation (CDM) is performing the Phase 2 (Groundwater Treatment System Construction) Remedial Action (RA) at the Old Roosevelt Contaminated Groundwater Area Site. The Bi-Weekly Progress Report is intended to partially fulfill the requirements specified under WAF SOW for this assignment. This Bi-Weekly report is prepared for the work performed from November 28, 2011 to December 9, 2011.

The work performed during this reporting period includes: pre-final inspection, commencement of the initial testing program, electrical installations, site surveying, instrumentation and controls inspection, transducer installation, treatment building finishing, and process system finishing. This work is summarized in further detail below. A list of the supporting documentation attached with this bi-weekly progress report is as follows:

- Attachment 1 - Daily Status Reports
- Attachment 2 - Field Log Book Notes
- Attachment 3 - Photo Log
- Attachment 4 – Pre-Final Inspection Punch List

2.0 Personnel On-Site

The following personnel were on site during this reporting period:

CDM - Contractor

Dante Porzilli	Project Engineer
Jeff Mullen	Resident Engineer

Arrowhead Contracting Inc (ACI) – Subcontractor

Doug Ronk	Project Manager
Joe Cotter	Site Superintendent
Matt Swope	Construction Foreman

Chemtech – ACI Subcontractor

Steve Lucas	Instrumentation Engineer
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JK Electric – ACI Subcontractor

Jim Kilkullen	Supervisor
Mike Kilkullen	Foreman
Joe Nagy	Electrician
Evan Alverado	Electrician

T&F Plumbing – ACI Subcontractor

Jeff Blando	Plumber
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MLS Surveyors – ACI Subcontractor

Vincent Aquino

Surveyor

John Gregory

Surveyor

3.0 Summary of Work Performed

The following is a brief summary of the field activities performed during this reporting period (refer to Attachments 1, 2, and 3 for Daily Status Report, log book notes, and photo log, respectively for each working day):

- **Pre-Final Inspection**
 - The pre-final inspection was conducted on Wednesday, November 30, 2011 with personnel from EPA, Nassau County, Garden City, CDM, and ACI present. The pre-final inspection punch list items were generated during the inspection (See Attachment 4).
- **Initial Testing Program (ITP)**
 - The ITP commenced on December 6, 2011 at 14:35 and remains in progress. EW-1S and EW-1I were run independently for 24 hours successfully, and the system was switched to EW-1D on the afternoon of Friday, December 9, 2011. The ITP was temporarily suspended for several short periods due to instrumentation/electrical issues as described in detail in Attachments 1 and 2. Process water and air samples were collected in accordance with the specification.
 - The ITP was suspended at approximately 17:50 on Friday, December 9, 2011 upon receiving sample results collected on December 7 and 8 from EW-1S and EW-1I. The sample results indicated exceedance of the discharge to surface water criteria. Arrowhead will troubleshoot the system over the weekend to fix the issue as soon as possible and re-start the ITP.
- **Electrical**
 - JK Electric installed grounding wire for all process equipment, wired the safety shower, wired the phone jacks, and completed wiring for the security camera system including the associated display monitor.
- **Process System Finishing**
 - ACI completed installation of the process equipment and preparations for the initial testing program.
 - Steve Lucas continued instrumentation and programming work for the treatment system.
 - Samant Garg performed instrumentation and controls inspection with Steve Lucas, and created a punchlist of items that are to be addressed.
 - Steve Lucas led an orientation of the treatment system for Joe Cotter, Ali Rahmani, and Dante Porzilli.
- **Treatment Building**
 - The remainder of treatment system wall paneling was installed.
 - The main access door was calibrated.
 - T&F Plumbing hooked up the water fountains in the treatment building.

■ Site Work

- Groundwater level transducers were installed in wells MW-1S, MW-1I, MW-2S, MW-2I, MW-3S, MW-3I. Transducer data logging began at 1500 hours on November 30, 2011 and data will be logged at 10 minute intervals.
- MLS began the as-built site survey.

■ Health and Safety

- A tailgate H&S meeting was conducted each day before the start of work activities.

■ Material Deliveries

- N/A

4.0 Problems/Corrective Action

The commencement of the ITP was delayed one day due to not receiving preliminary lab results within a 24-hour turnaround time, as was requested from the lab. Upon receiving laboratory results and confirmation that the treatment plant effluent met the discharge criteria, the ITP was commenced on December 6, 2011 at 14:35.

The ITP was suspended at approximately 17:50 on Friday, December 9, 2011 upon receiving lab results indicating an exceedance of the discharge to surface water criteria. The system is to be troubleshooted over the weekend to fix the issue as soon as possible.

5.0 Deviations

Due to operational issues, the automatic flow control valves on the extraction well headers have not been in service for the ITP. Therefore, the process system pumps are cycling to accommodate for non-uniform flow through the system. The valves are scheduled to be inspected and repaired during the first week of January, 2012.

6.0 Conclusions

The ITP is currently in progress, and construction progress continues at a moderate pace. All work has been completed in a professional and safe manner.

ATTACHMENT 1
DAILY STATUS REPORT

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 11-28-11

Day Monday

WEATHER: Partly Sunny

TEMP: 52/65 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: No CDM personnel onsite			
Arrowhead: Joe Cotter, Matt Swope			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
0845	Jim Kilcullen	JK Electric	Electrical
0845	Mike Kilcullen	JK Electric	Electrical
EQUIPMENT IN USE:			
TL-250 Skid Steer – not used Articulated man-lift (1) – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
JK Electric worked on wiring for miscellaneous treatment building systems and components.			
WORK BEING INSPECTED:			
N/A			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
Daily Safety Tailgate meeting held. Featured Topic: Communication of Hazards			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

TESTING PERFORMED: N/A
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 11-29-11

Day Tuesday

WEATHER: Rain

TEMP: 52/63 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: No CDM personnel onsite			
Arrowhead: Doug Ronk			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
	Various Personnel	JK Electric	Electrical
EQUIPMENT IN USE:			
TL-250 Skid Steer – not used Articulated man-lift (1) – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
ACI continued installation of process equipment and preparations for the initial testing program. JK Electric worked on wiring for miscellaneous treatment building systems and components.			
WORK BEING INSPECTED:			
N/A			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
Daily Safety Tailgate meeting held.			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

TESTING PERFORMED: N/A
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 11-30-11

Day Wednesday

WEATHER: Partly Sunny

TEMP: 44/53 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: Thomas Mathew, Ali Rahmani, Jeff Mullen, Samant Garg, Demetrios Klerides, John Morrow			
Arrowhead: Doug Ronk, Matt Swope			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
0800	Steve Lucas	Chemtech	Instrumentation
1000	Frank Koch	Garden City	
1000	Joe DeFranco	Nassau County	
1010	Helen Eng	EPA	
1010	Sherrell Henry	EPA	
1010	Caroline Kwan	EPA	
	Various personnel	JK Electric	Electrical
EQUIPMENT IN USE:			
TL-250 Skid Steer – not used Articulated man-lift (1) – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
Pre-Final Inspection performed with CDM, ACI, EPA, Garden City, and Nassau County personnel.			
ACI continued installation of process equipment and preparations for the initial testing program. Groundwater level transducers were installed in wells MW-1S, MW-1I, MW-2S, MW-2I, MW-3S, MW-3I. The transducer began logging data at 1500 hours and will record data at 10 minute intervals.			
JK Electric continued installation of electrical systems.			
WORK BEING INSPECTED:			
Pre-Final Inspection			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held.
TESTING PERFORMED: N/A
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 12-1-11

Day Thursday

WEATHER: Partly Sunny

TEMP: 38/51 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: No CDM personnel onsite			
Arrowhead: Doug Ronk			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
	Various personnel	JK Electric	Electrical
EQUIPMENT IN USE:			
TL-250 Skid Steer – not used Articulated man-lift (1) – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
ACI continued preparations for the initial testing program.			
JK Electric continued installation of electrical systems.			
WORK BEING INSPECTED:			
N/A			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
Daily Safety Tailgate meeting held.			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

TESTING PERFORMED: N/A
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 12-2-11

Day Friday

WEATHER: Partly Sunny

TEMP: 34/53 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: No CDM personnel onsite			
Arrowhead: Doug Ronk			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
	Various personnel	JK Electric	Electrical
EQUIPMENT IN USE:			
TL-250 Skid Steer – not used Articulated man-lift (1) – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
ACI continued preparations for the initial testing program.			
JK Electric continued installation of electrical systems.			
WORK BEING INSPECTED:			
N/A			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
Daily Safety Tailgate meeting held.			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

TESTING PERFORMED: N/A
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 12-05-11

Day Monday

WEATHER: Cloudy

TEMP: 52/59 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: Dante Porzilli			
Arrowhead: Doug Ronk, Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
0430	Steve Lucas	Chemtech	Instrumentation/Programming
0700	Vinny Aquino	MLS	Surveying
0700	John Gregory	MLS	Surveying
1130	Jim Kilcullen	J.K. Electric	Electrical
0830	Mike Kilcullen	J.K. Electric	Electrical
EQUIPMENT IN USE:			
TL-250 Skid Steer – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
J.K. Electric installed the security camera and phone jacks in the treatment system.			
MLS began the site survey.			
Steve Lucas continued instrumentation and programming work.			
The commencement of the ITP was delayed due to not receiving lab results within a 24-hour turnaround time, as was requested of the lab. The ITP will commence tomorrow when lab results are received and it is determined that the treatment plant effluent meets the discharge criteria.			
WORK BEING INSPECTED:			
N/A			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held. Featured Topic: PPE requirements
TESTING PERFORMED: N/A
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: The commencement of the ITP was delayed due to not receiving lab results within a 24-hour turnaround time, as was requested of the lab. The ITP will commence tomorrow when lab results are received and it is determined that the treatment plant effluent meets the discharge criteria.
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 12-06-11

Day Tuesday

WEATHER: Partly Sunny

TEMP: 53/57 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: Dante Porzilli, Samant Garg			
Arrowhead: Doug Ronk, Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
0630	Steve Lucas	Chemtech	Instrumentation/Programming
EQUIPMENT IN USE:			
TL-250 Skid Steer – not used Articulated man-lift (1) – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
A rental man-lift was delivered to the site for use in completion of treatment building wall paneling and miscellaneous tasks.			
Samant Garg of CDM did an instrumentation and controls inspection with Steve Lucas, and created a punchlist of items that are to be addressed. Steve Lucas continued instrumentation and programming work.			
Upon receipt of lab results that determined that the treatment plant effluent met the discharge criteria, the ITP was commenced. EW-1S was started at 14:35.			
WORK BEING INSPECTED:			
Instrumentation and Controls inspection performed by Samant Garg of CDM.			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held. Featured Topic: Proper Attire on Construction Sites
TESTING PERFORMED: The ITP was commenced.
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 12-07-11

Day Wednesday

WEATHER: Cloudy/Rain

TEMP: 36/55 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: Dante Porzilli, Ali Rahmani			
Arrowhead: Doug Ronk, Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
0700	Steve Lucas	Chemtech	Instrumentation/Programming
EQUIPMENT IN USE:			
TL-250 Skid Steer – not used Articulated man-lift (1) – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
Steve Lucas continued instrumentation and programming adjustments. Steve Lucas led an orientation of the treatment system for Joe Cotter, Ali Rahmani, and Dante Porzilli.			
ACI calibrated the main access door, and installed a sample port for the air stripper effluent vapor stack.			
ITP continued - EW-1S running; flow rate was changed from 60 gpm to 75 gpm to simulate maximum loading from the well. Due to malfunction of the air stripper level transducer and the EW-1S circuit breaker, sampling was postponed past the 24-hour period to when normal operation was restored (approximately 27 hours). Samples were collected and are to be shipped in the morning. EW-1S is still unable to run on "Auto" mode without tripping the circuit breaker ("Hand" mode was used for sampling) ;Steve Lucas is to fix the issue in the morning. As per the ITP schedule, well EW-1I was switched on and all other wells were switched off after sampling.			
WORK BEING INSPECTED:			
N/A			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held. Featured Topic: First Aid
TESTING PERFORMED: ITP in progress.
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: EW-1S will not run in auto mode without tripping the circuit breaker. The air stripper level transducer malfunctioned earlier in the day, but is working properly upon system reset. Both issues will be investigated and fixed tomorrow.
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**

251 Clinton Road
Garden City, New York

Date: 12-08-11

Day Thursday

WEATHER: Sunny

TEMP: 36/46 deg F

WIND: Mild

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: Dante Porzilli			
Arrowhead: Doug Ronk, Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
0700	Steve Lucas	Chemtech	Instrumentation/Programming
0845	Mike Kilcullen	J.K. Electric	Electrical
0845	Jim Kilcullen	J.K. Electric	Electrical
0845	Joe Nagy	J.K. Electric	Electrical
0845	Evan Alverado	J.K. Electric	Electrical
EQUIPMENT IN USE:			
TL-250 Skid Steer – not used Articulated man-lift (1) – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
<p>Steve Lucas investigated the cause of EW-1S not running in auto mode without tripping the circuit breaker. Steve noted that the adjusted the breaker trip set point was set too low. Steve adjusted the set point to the correct position and EW-1S operated normally.</p> <p>J.K. Electric installed grounding wire for all process equipment, wired the safety shower, and completed wiring for the security camera system including the associated monitor.</p> <p>ITP continued - EW-1I running. Treatment system aqueous and vapor samples were collected, and aqueous samples from Day 1 and Day 2 were shipped together to the designated laboratories. Air samples from day 1 and day 2 are being temporarily held onsite so a full shipment can be sent. The decision was made to leave EW-1I on through the night to avoid potential problems resulting from changing the system operations while the system is unattended. EW-1I will be switched off in the morning and EW-1D will be switched on.</p>			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

WORK BEING INSPECTED: N/A
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held. Featured Topic: Weather Hazards
TESTING PERFORMED: ITP in progress.
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 12-09-11

Day Friday

WEATHER: Partly Sunny

TEMP: 36/52 deg F

WIND: Moderate

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM: Dante Porzilli			
Arrowhead: Doug Ronk, Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
0900	Jeff Blando	T&F Plumbing	Plumbing
0900	Vinny Aquino	MLS	Surveyors
0900	John Gregory	MLS	Surveyors
EQUIPMENT IN USE:			
TL-250 Skid Steer – not used Articulated man-lift (1) – not used			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
T&F Plumbing hooked up the water fountains in the treatment building. The short water fountain operates well, but the tall water fountain does not operate properly and will need repairs.			
MLS surveyors continued the site survey.			
ITP continued - System switched from EW-1I to EW-1D. Samples were collected and shipped. Air samples from days 1-3 were shipped. At approximately 5:20 pm the system was shut down due to notice of discharge exceedance as per laboratory results.			
An inspection of the recharge basin showed proper functioning.			
WORK BEING INSPECTED:			
N/A			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held. Featured Topic: Chemical Resistant Gloves
TESTING PERFORMED: ITP in progress.
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: Due to an exceedance of the discharge criteria, the ITP was temporarily suspended while the problem is evaluated.
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Dante V. Porzilli

Title: Field Engineer

ATTACHMENT 2
FIELD LOGBOOK NOTES

11/22/11

Cloudy
46/50°FD. Porcilli
J. Gatter
M. Swope

1015 DP of CDM onsite. JC and ~~DP~~ 11/22/11
of ACI spreading hay on north side
of treatment bldg. Mike Keilen and Joe
Udvari of H2K installing instrumentation.
Steve Lucas onsite installing/programming
control panel

1030 MS of ACI onsite with wire for
window frames. DP of CDM performed
a site walk. Land along Clinton Road and
running parallel to driveway looks seeded.
Asphalt by extraction wells and just south of
extraction wells was noted as sealed.
New asphalt (driveways and along trench) is
not sealed. ACI says it is not required.

1130 Spoke with H2K and Steve Lucas.
H2K is to finish the bulk of instrumentation today
and will not return to the site. Steve Lucas
estimates completion of programming by Dec 2.
JC of ACI continues spreading hay around
the perimeter of the treatment building.

1400 H2K, Steve Lucas, Matt Swope offsite

1430 DP offsite

Mike Porcilli 11/22/11

11/30/11

0800 - Ali Rahmani of CDM onsite
Weather: Sunny
48/62°F

0830 Thomas Mathew on-site

0900 Jeff Mullen, Samant Gaig,
and Demetrios Kleridis on-site.
ACI personnel:

Doug Ronk
Matt Swope
Steve Lucas

Schedule: Complete pre-final
inspection.

1000 Frank Koch of Garden City
and Joe DeFramio of
Nassau County on-site.

1010 John Morrow of CDM onsite.
Helen Eng, Sherrell Henry
and Caroline of EPA
on-site.

1015 Pre-final inspection start

1215 Pre-final inspection end.

1600 All CDM personnel off-site

AR 11/30/11

12/1/11

Sunny
36/48°F

D. Porzilli

D. Ronk

S. Lucas

M. Swope

1000 DP of CDM onsite

DR of ACI and DP discuss
punchlist items.

1130 DP does site walk. Steve

~~Lucas~~ Lucas running EW-ID water
into influent tank to begin process
testing. Steve plans to complete
process testing by tomorrow to
be ready for ITP on MondayMS of ACI doing miscellaneous tasks
to address punchlist items.

1435 DP offsite

12/1/11

12/5/11

D. Porzilli

Cloudy

52/59°F

0700 DP of CDM onsite. Steve Lucas
onsite preparing for ITP0705 Vinny Aquino and John Gregory of
MLS onsite for site surveying.

0730 Joe Cotter of ACI onsite

0750 Doug Ronk of ACI onsite. Go over ITP
sampling plan. ITP to begin pending on
analytical results of Air Stripper effluent to be
received today. Steve Lucas continues ITP
preparations, chemical feed system hook up.0830 Mike Kilcullen of J.K. Electric onsite. Begins
installation of security camera and phone
jacks in walls.

1130 Jim Kilcullen of J.K. Electric onsite.

1600 JK Electric completes work for the day.

~~DP~~ DP goes offsite. MLS completes
extraction well survey and some site surveying.
MLS offsite.

1630 ACI, Steve Lucas, and DP offsite

12/6/11

12/6/11

Cloudy/Light Rain

D. Porzilli

54/59°F

0730 DP onsite. Steve Lucas and ACI (Doug Runk, Joe Cotter) onsite. Steve continues to make ~~preparations to~~ adjustments to treatment system controls. Joe Cotter installs an overflow pipe in the influent tanks.

0830 A rental manlift was delivered to the site to complete metal paneling installation above main access door to treatment building.

1030 Samant Garg of CDM onsite for instrumentation/controls inspection with Steve Lucas.

1230 Samant Garg completes inspection and provides a list of several items to be corrected.

1435 Lab results for plant effluent have come in: ~~at~~ ^{initial} results indicate water is at permissible contaminant concentrations to discharge.

ITP Started → EW-1S, 600 GPM @ 1435 12/6/2011

1615 Steve Lucas continues to configure

Dante Porzilli 12/6/11

12/6/11

D. Porzilli

1635 (continued) Joe Cotter installs window between office and equipment areas in the treatment building.

1700 All personnel offsite. The first sampling for the ITP will start tomorrow morning.

Dante Porzilli 12/6/11

12/7/11

Cloudy/Light Rain
36/55°F

D. Porzilli

0740 DP of CDM onsite. Ali Rahmani ~~and~~ ^{12/7/11}
of CDM and Joe Cotter of ACI onsite
as of 0700.

0830 Doug Rank & Steve Lucas onsite
ITP still in progress. EW-1S running
at approximately 60 gpm.

ACI calibrates garage door. ACI
installs air stripper sample tap for
effluent vapor.

1055 System Orientation with Steve

Lucas, Ali Rahmani, Joe Cotter & Dante Porzilli.

1215 Ali Rahmani and Steve Lucas offsite.

1300 System in alarm. Air stripper level

transducer giving incorrect readings
and EW-1S will not run in Auto mode
without tripping the circuit breaker.

Doug Rank troubleshoots via phone
with Steve Lucas. The system was
fully reset. As level transducer
working properly but EW-1S still
not running in auto. Sampling is
delayed. Steve Lucas to return to
the site.

12/7/11

12/7/11

1645 System running ok with exception
of EW-1S not working in Auto.

EW-1S run in hand to flush system
prior to sampling. All other extraction
wells off. Prior to 1645 other extraction
wells were ^{DP 12/7/11} run to prime the system
during troubleshooting.

1732 EW-1S sampled "EW-1S-111207"

1737 Air Stripper influent Sampled "AF-111207"

1815 Air Stripper effluent + Sampled "EFF-111207"

1825 Sample time for Duplicate of EW-1S (named
"EW-2"). Actually sampled @ 1732

1825 Trip Blank sampled "TB-111207"

1850 Air Stripper Effluent Sampled "AS-EFF-111207"

Air Stripper Effluent Duplicate Sampled "GAC-EFF-111207"

1915 Samples to be shipped in morning.

Plant was switched to run on
EW-1I at approximately 1900. All
personnel offsite

Dante Porzilli 12/7/11

12/8/11

Sunny
36/46°F

D. Porzilli

0745 DP of CDM onsite. Joe Cotter of ACI onsite as of 0730. Steve Lucas onsite as of 0700. Steve ^{adjusted DP 12/8/11} ~~repaired~~ the circuit breaker setpoint for EW-1S to fix the issue where running EW-1S in ^{DP 12/8/11} ~~an~~ auto would trip the breaker. The trip setpoint was abnormally low prior to adjustment. ITP continues, running EW-1I.

0815 Doug Rank onsite.

0845 JK Electric onsite. Jim Kilcullen, Mike Kilcullen, Joe Nagy, Evan Alverado.

0945 Steve Lucas offsite

~~1000~~ All JK Electric personnel offsite ^{DP 12/8/11} ~~except~~

1445 ~~AKK~~ Frames of process equipment were grounded, safety shower was wired, and the security camera system was installed to completion.

1357 Sample "EW-1I-111208" EW-1I Influent ^{AK2}

1403 Sample "AF-111208" Air Stripper Influent AQ

1409 Sample "EFF-111208" Air Stripper Effluent AQ

1500 Sample "AS-EFF-111208" Air Stripper Effluent Vapor

1730 All personnel offsite. System to be switched to EW-1D in the morning to prevent having system unattended under new conditions.

— *D. Porzilli 12/8/11* —

12/9/11

D. Porzilli

Partly Cloudy
36/52°F

0730 DP onsite. Joe Cotter of ACI onsite. ITP in progress

0755 System switched from EW-1I to EW-1D.

0810 Doug Rank onsite

0830 ACI's plumbing contractor onsite to hook up the water fountains.

~~1030 ACI's plumbing~~ ^{DP 12/9/11}

0900 MLS Surveyors onsite to continue site survey.

1030 ACI's plumbing contractor offsite. The taller water fountain does not operate properly still.

1130 DP inspects the recharge basin - basin appears to be functioning properly. DP tells ACI to inspect basin tomorrow.

1430 DP offsite. ACI to collect samples later in the day and switch to full treatment ^{DP 12/9/11} plant operation tomorrow (all extraction wells on).

— *D. Porzilli 12/9/11* —

ATTACHMENT 3
PHOTO LOG

Old Roosevelt Field Contaminated Groundwater Area Superfund Site

[illegible]

**Old Roosevelt Field Contaminated Groundwater Area Superfund Site
Remedial Action - Groundwater Treatment System
PHOTOS: November 28 through December 9, 2011**



Completed Paneling Installation
IMAG0154.jpg 12/5/2011



Security Monitor Installed Displaying Camera View
IMAG0155.jpg 12/8/2011

ATTACHMENT 4
PRE-FINAL INSPECTION PUNCH LIST

Pre-Final Inspection
Old Roosevelt Field Contaminated Groundwater Area Superfund Site
Garden City, New York

Date:	November 30, 2011
Personnel:	
EPA:	Caroline Kwan, Sherrel Henry, and Helen Eng
CDM:	Thomas Mathew, Demetrios Klerides, Muzaffar Rahmani, Jeffery Mullen Samant Garg and John Morrow
Nassau County:	Joe DeFranco
Garden City:	Frank Koch
ACI:	Doug Ronk

Item No. Punch List Items	
1	Complete downspouts in front of entrance door and SW corner of building
2	Install interior trim around all windows and doors
3	Insulate around exhaust fan in chemical storage room
4	Install trim around exhaust fan and louver in chemical storage room
5	Install cover base around all sheetrock walls
6	Install glass in window frame for Control Room
7	Repair leak(s) on Em. Shower/Eyewash
8	Repair drinking fountains. One is over pressurized and the other does not work
9	Fabricate and install plates for column in chemical storage room
10	Finish and paint sheetrock in electric room
11	Repair leaking pressure sensor on influent tank
12	Grout centrifugal pump bases
13	Epoxy Floors
14	Grout Extraction Well piping pit
15	Fill construction joints in floor with self-leveling caulk
16	Pipe influent tank overflow to floor with 4" PVC pipe
17	Finish fiberglass insulation above overhead door
18	Finish interior paneling above overhead door on west wall
19	Finish cleaning exterior of influent tank
20	Tighten the bag filter top covers
21	Install Geothermal heat system
22	Supply and install cover for junction box in chemical storage room
23	Caulk and/or flash around RPZ drain pipe through east wall
24	Finish high level alarm in building sump. Remove unused wires, as necessary
25	Remove and cap hose connection before RPZ
26	Extend PVC sleeve for caustic tubing at the injection point
27	Provide As-built Survey
28	Inspect and repair all wellhead piping
29	Remove and dispose steel plate near extraction wells

Pre-Final Inspection
Old Roosevelt Field Contaminated Groundwater Area Superfund Site
Garden City, New York

Item No. Punch List Items	
30	Finish striping near extraction wells and near access road gate
31	Insulate hot water piping
32	Supply and install bicycle rack
33	Supply and install parking signage
34	Supply and install security camera
35	Supply and install lightning protection
36	Provide equipment bonding conductor to building steel/ground grid (Blower, P1, P2, Stripper, bag filters)
37	Provide bonding conductor to copper piping within building, currently piping is isolated due to HDPE service pipe entering the building and transitioning to copper
38	Complete grounding of 75kVA transformer
39	Complete eye wash flow switch wiring
40	Update MCC and panel schedules in final as built drawing set
41	Install grounding rings and grounding conductor on all the Magnetic flow meters
42	Auto Dialer is not installed inside the panel. Approved panel drawings had it inside the panel. Update the panel drawings.
43	Auto Dialer is not configured and not connected to the PLC. Automatic alarm transmission was not demonstrated.
44	Auto Dialer backup battery is not connected
45	Flow control valve 1L is not closing while controlled by the PLC
46	PID tuning required on FCV-1S & 1L control loops
47	Add air flow rate to the PLC
48	Well pumps level/flow cascade loop level/flow setpoint scaling needs to be fixed
49	Air stripper level control PID tuning has not been completed
50	pH control loop was not tested as none of the caustic pump piping was completed
51	Provide the level switch/transmitter in the caustic tote
52	Well level transmitters calibration needs to be verified
53	Totalized flow for none of the flow meter is being updated on the graphical screens
54	Wireless access using the broadband internet has not been installed at the site; however the remote access to the site is being used by Arrowhead using a wireless Sixnet/Verizon modem